

Fig. 1

29 Kvolt

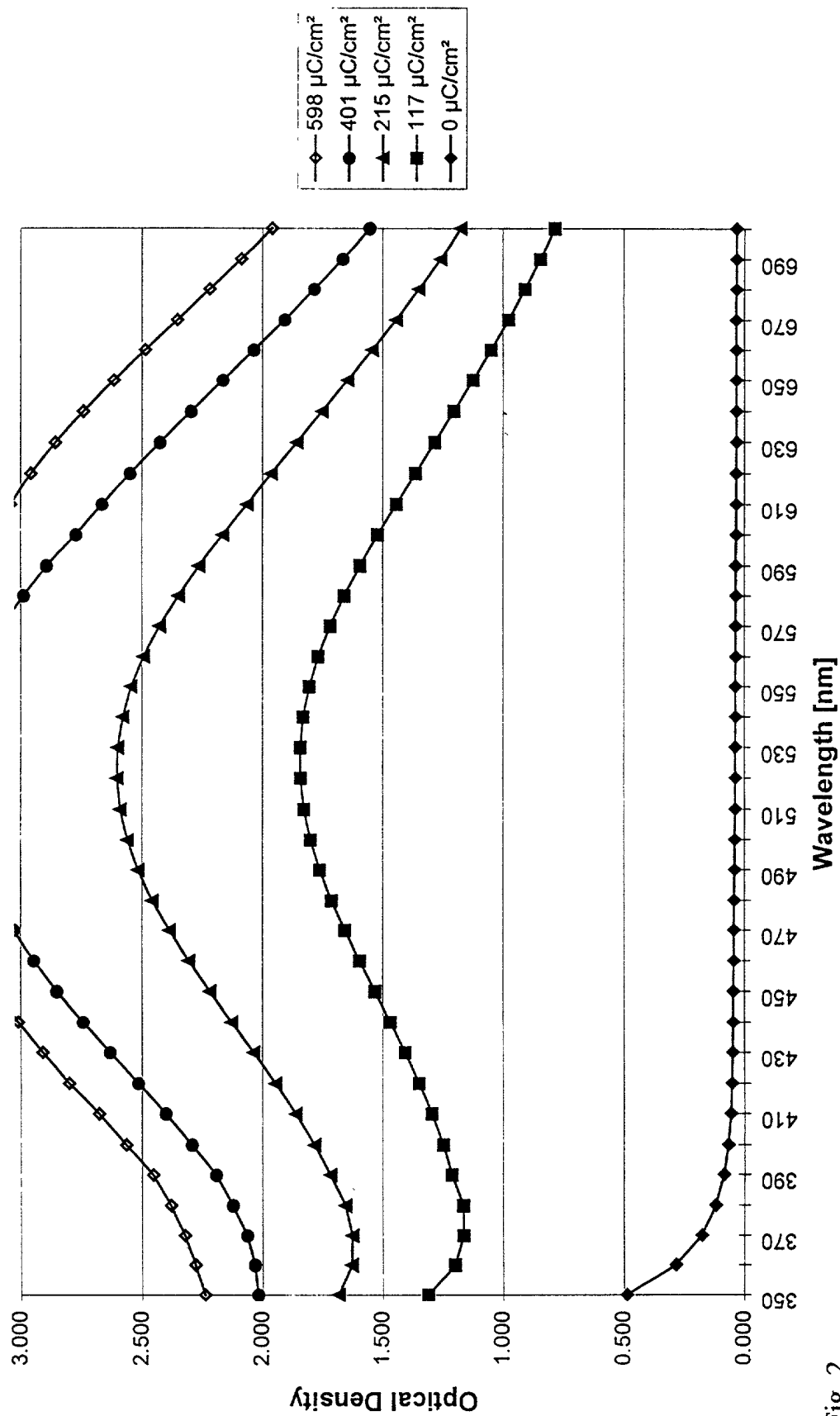


Fig. 2

25 Kvolt

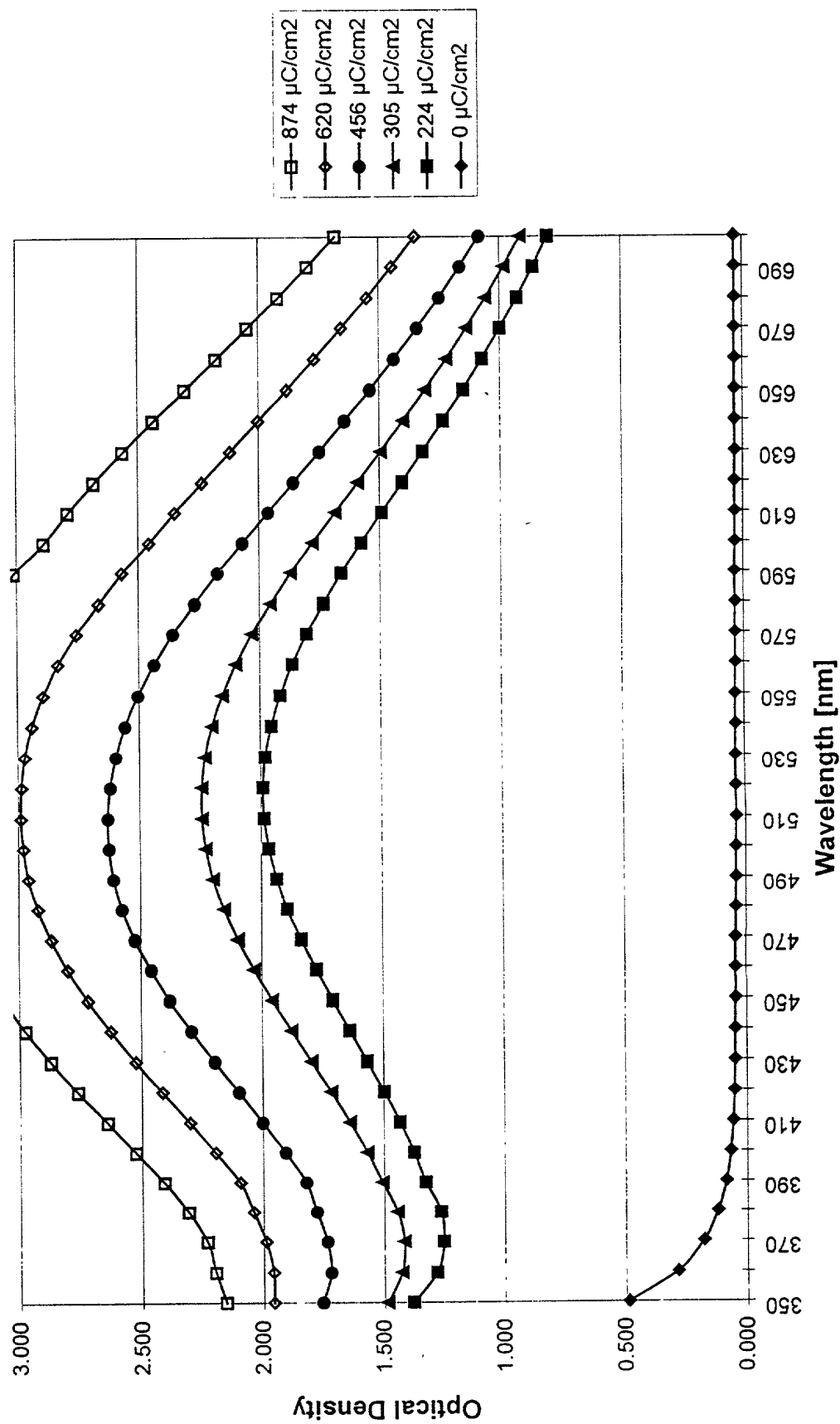


Fig. 3

20 Kvolt

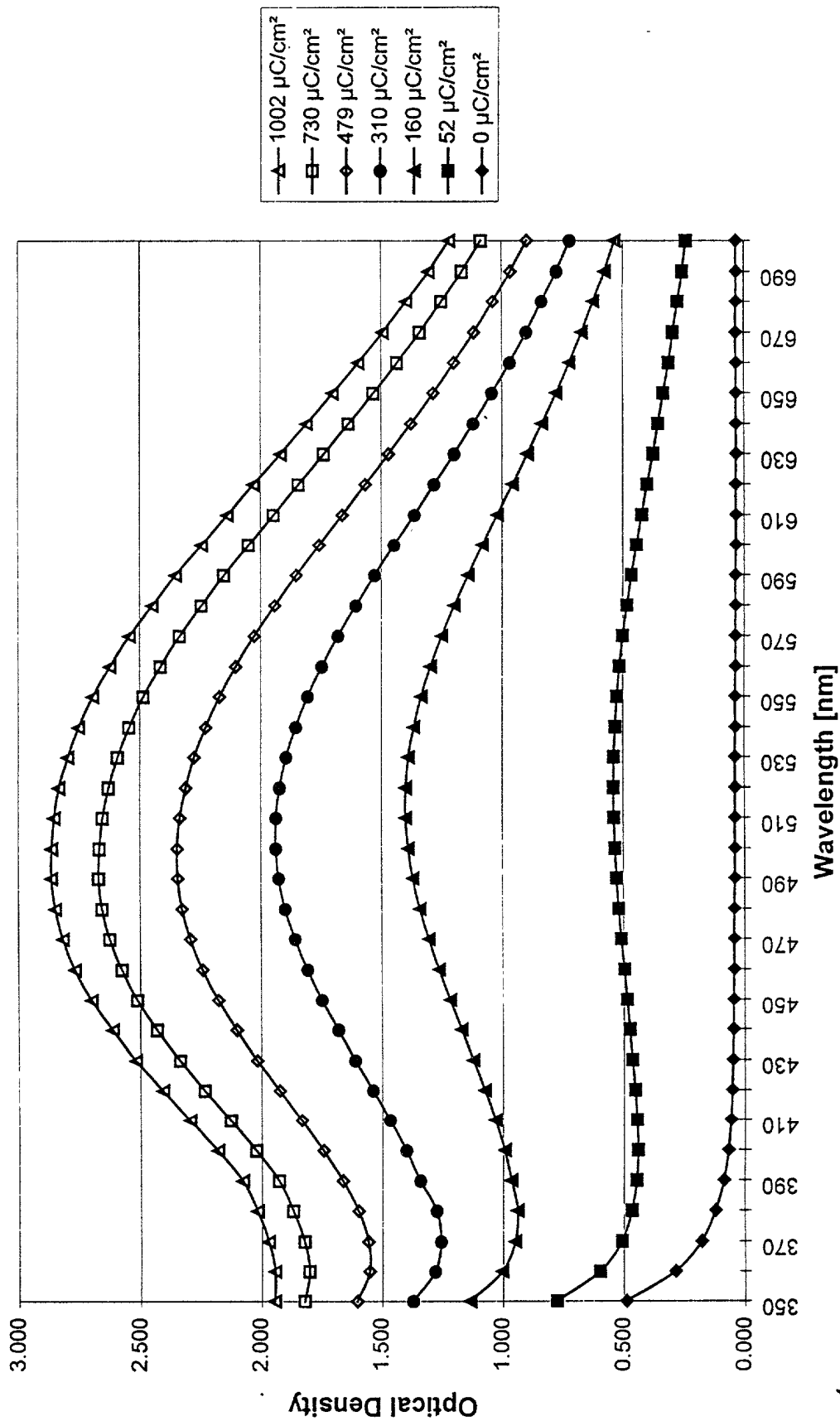


Fig. 4

15 Kvolt

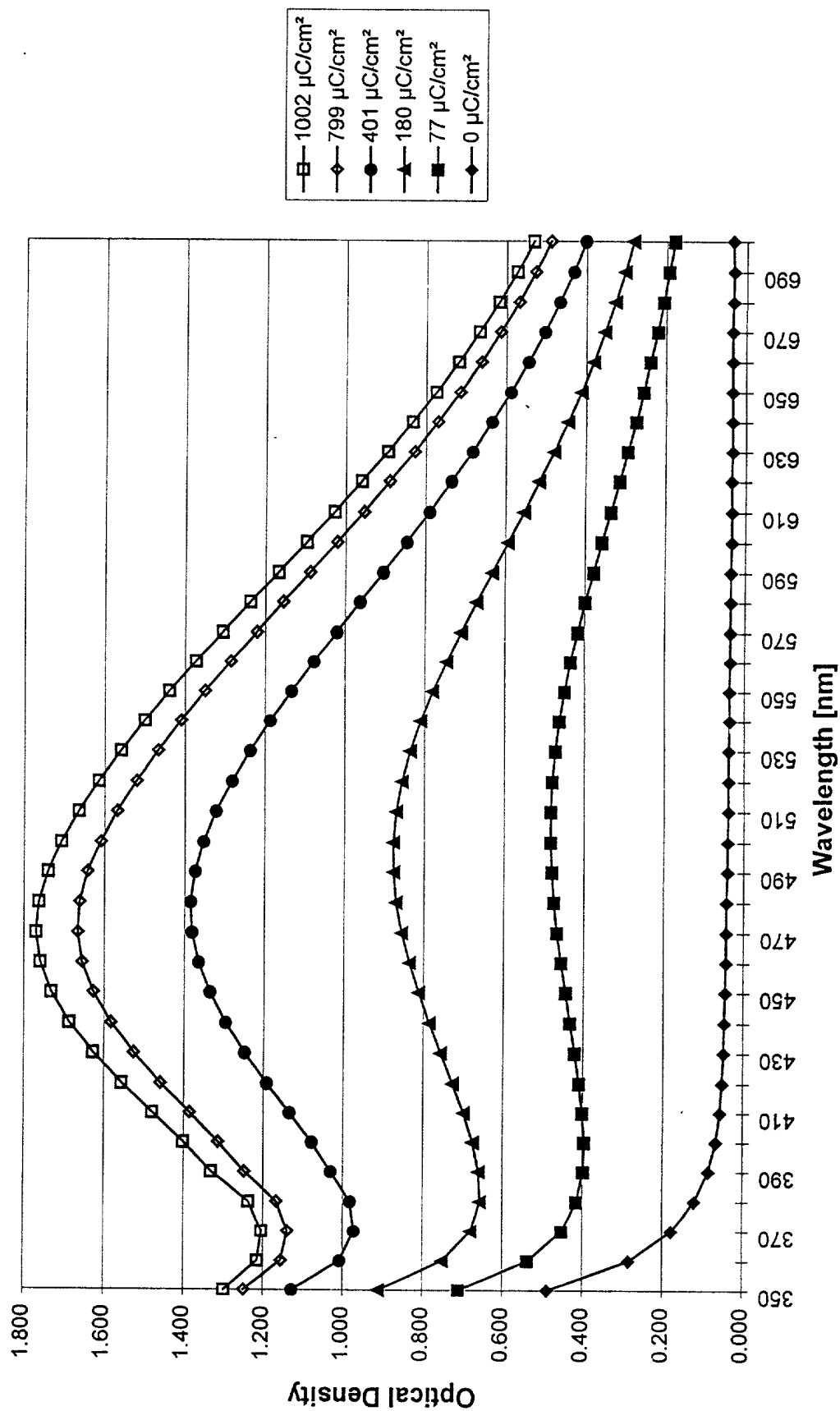


Fig. 5

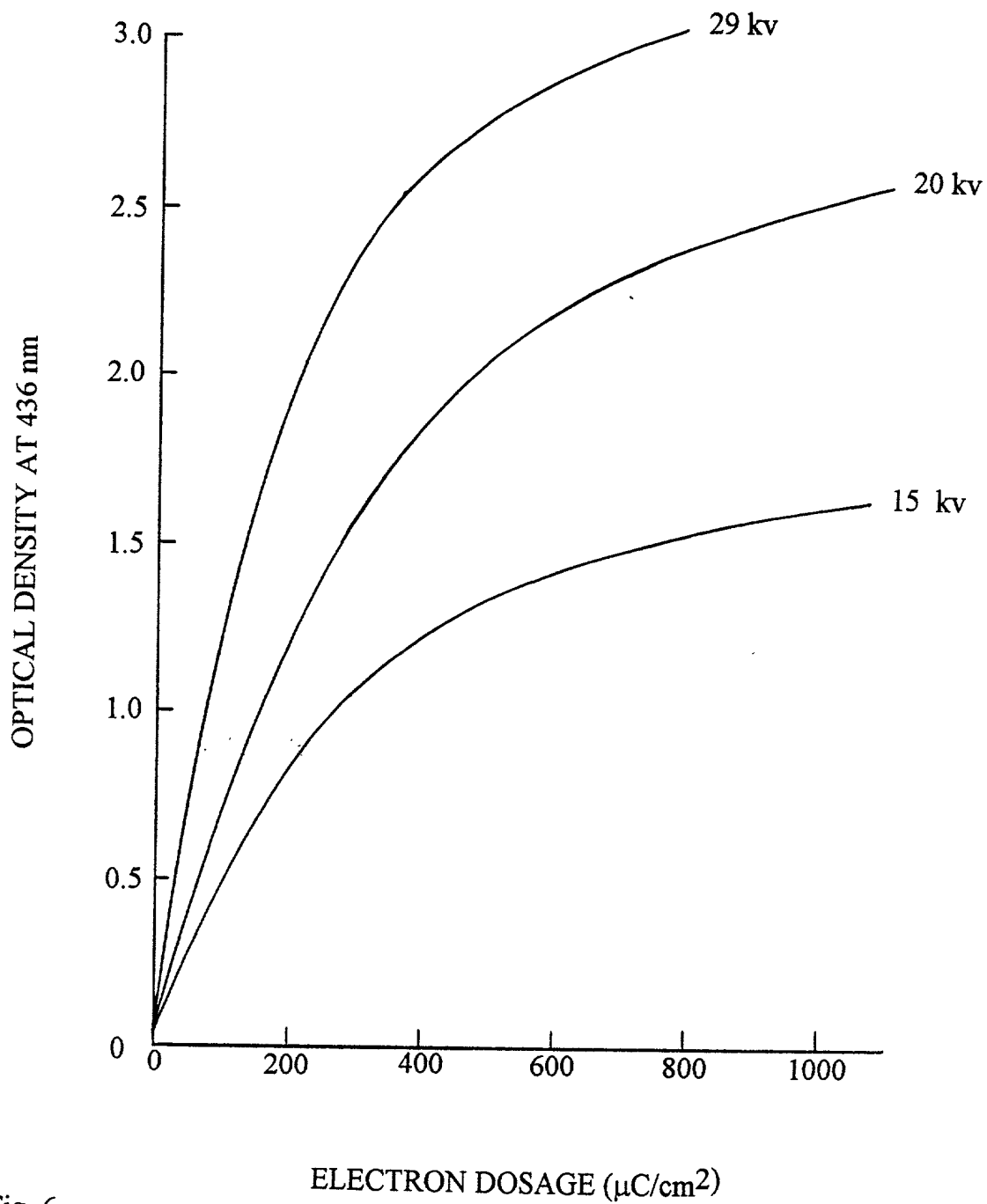


Fig. 6

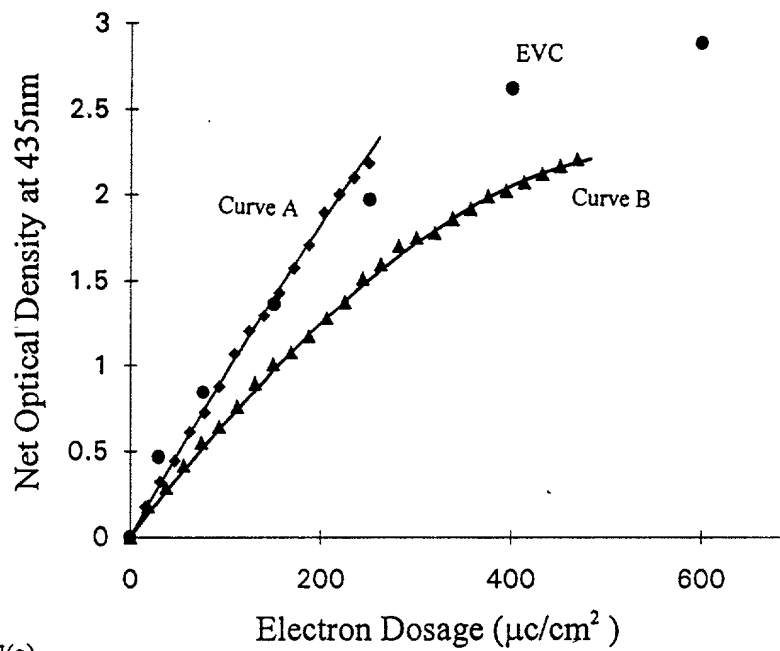


Fig. 7(a)

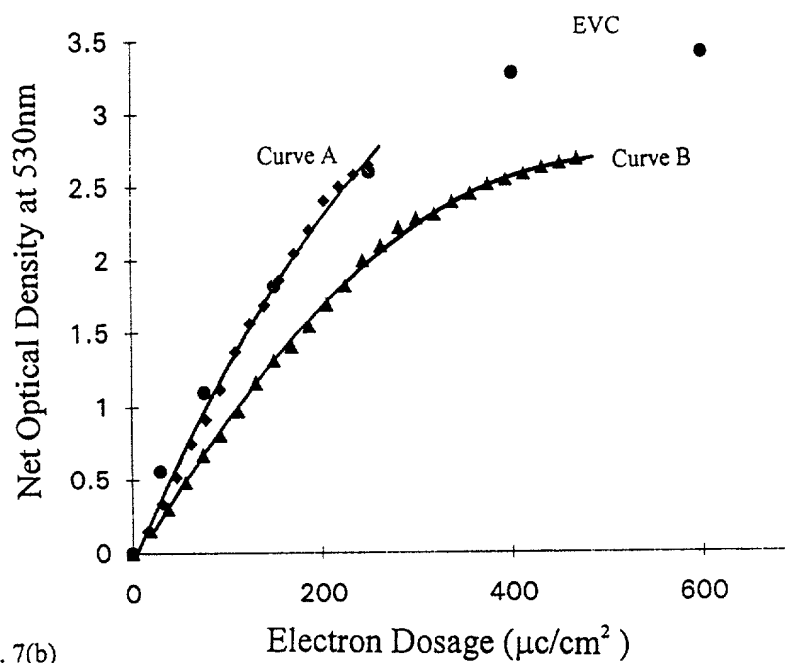


Fig. 7(b)

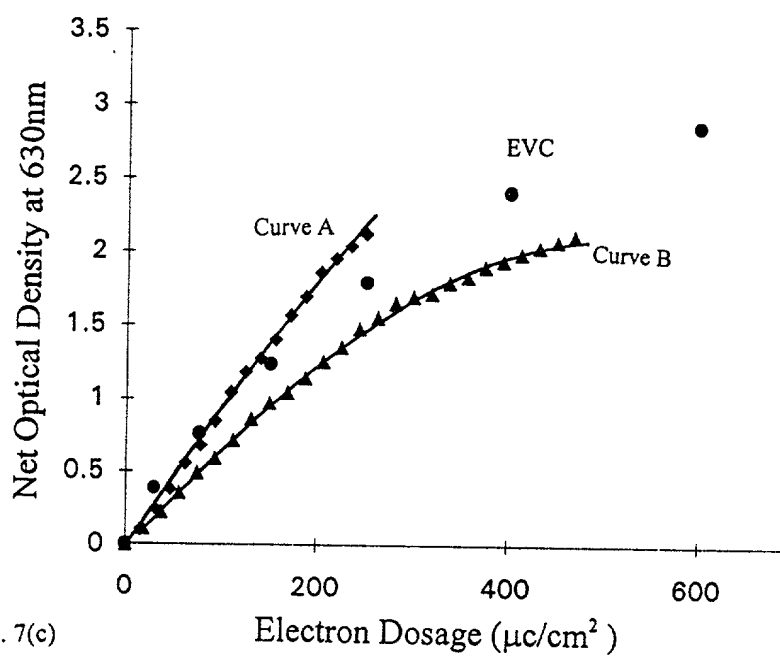


Fig. 7(c)



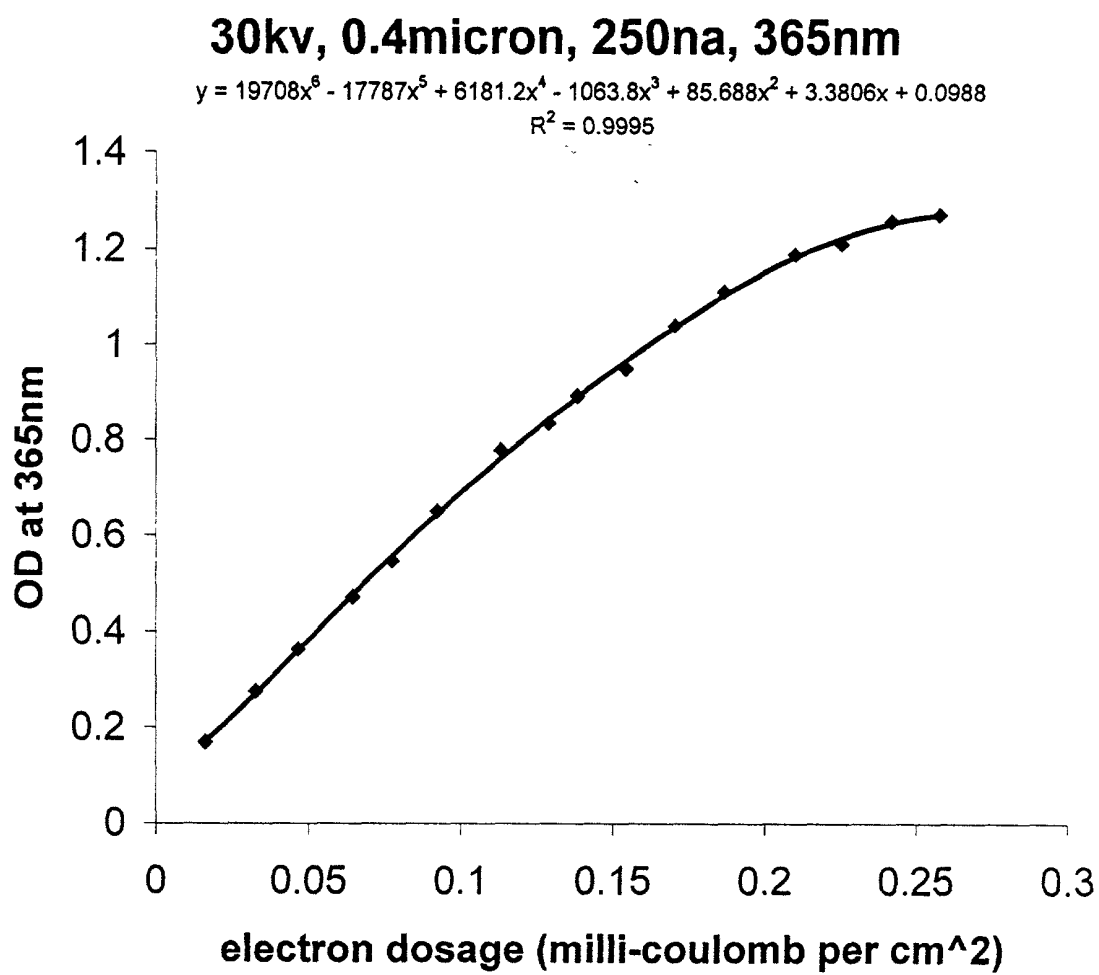


Fig. 7 (d)

FOOTNOTED BY THE EDITOR

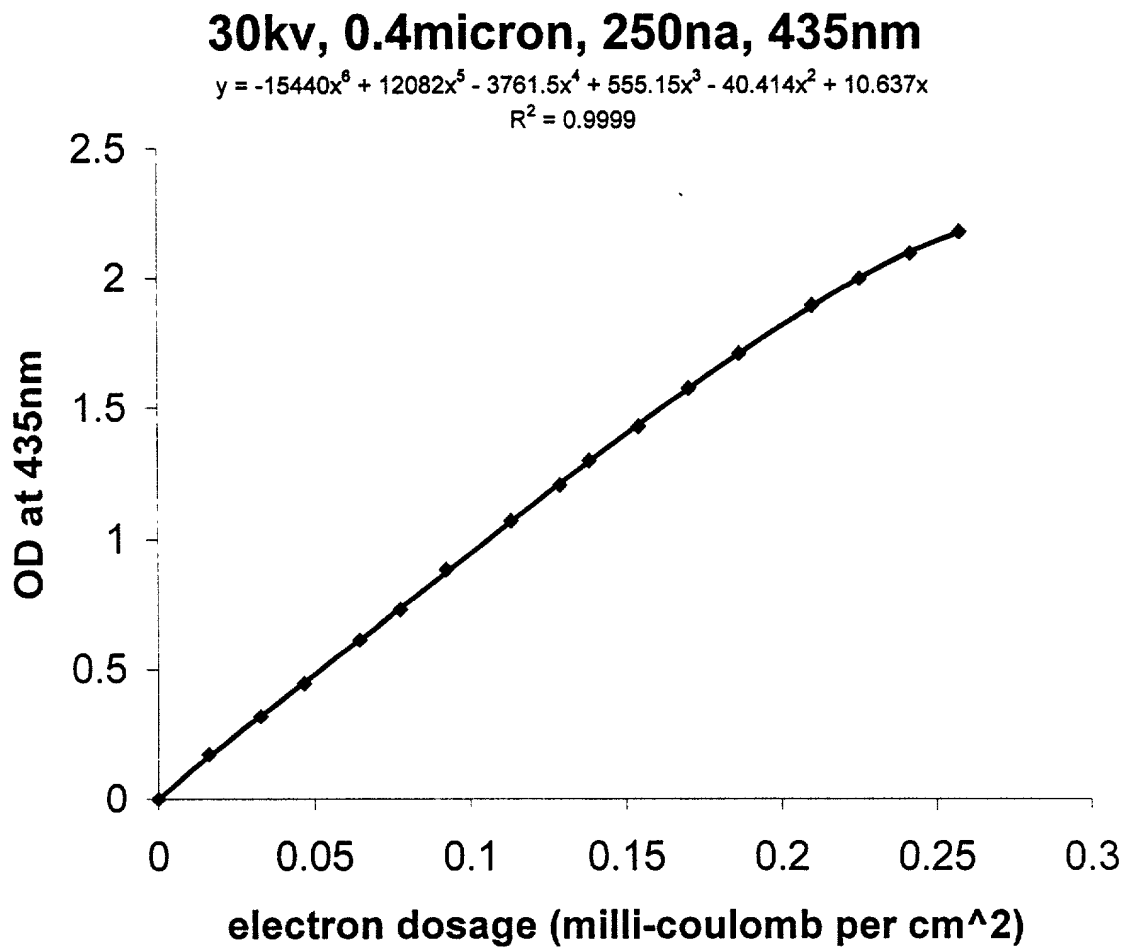


Fig. 7 (e)

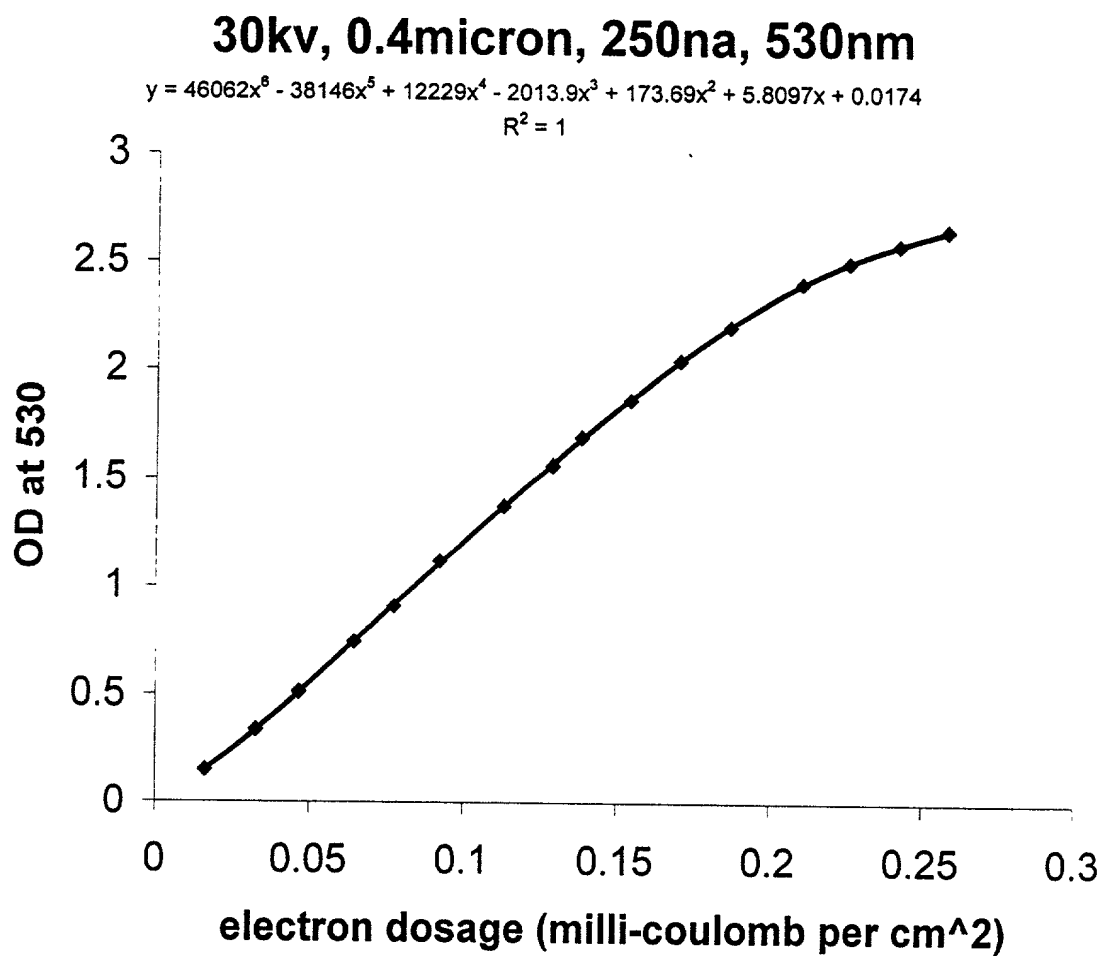


Fig. 7 (f)

# 30kv, 0.4micron, 250na, 630nm

$$y = 51961x^6 - 43905x^5 + 14402x^4 - 2361.2x^3 + 197.27x^2 + 2.2436x + 0.0222$$

$$R^2 = 0.9999$$

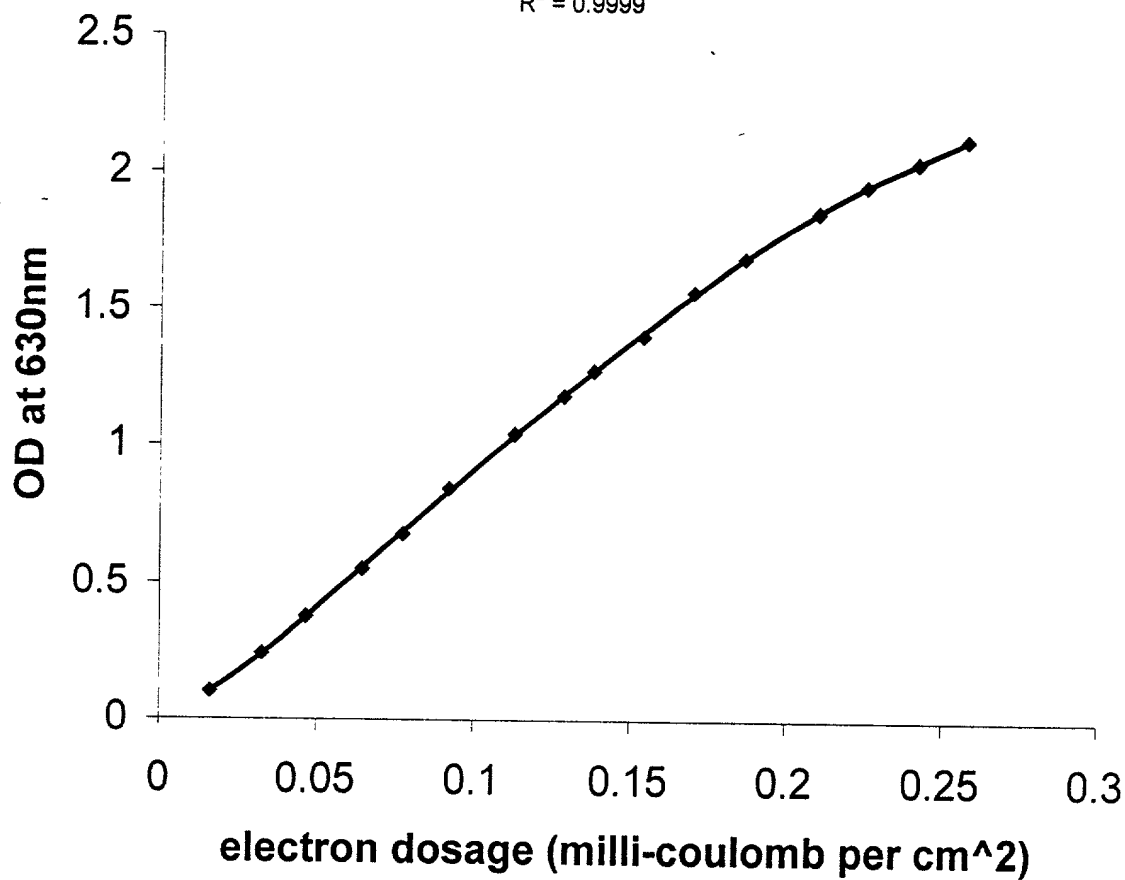


Fig. 7 (g)

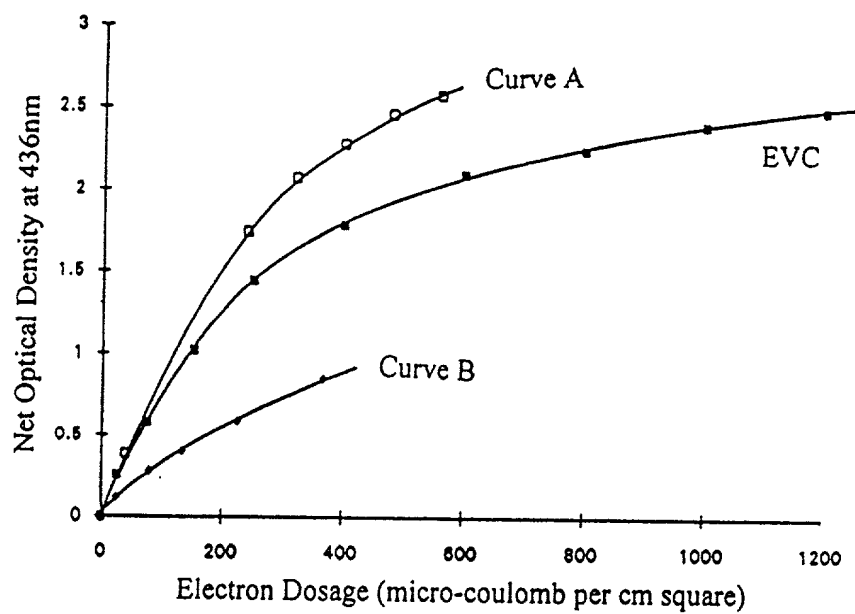


Fig. 8

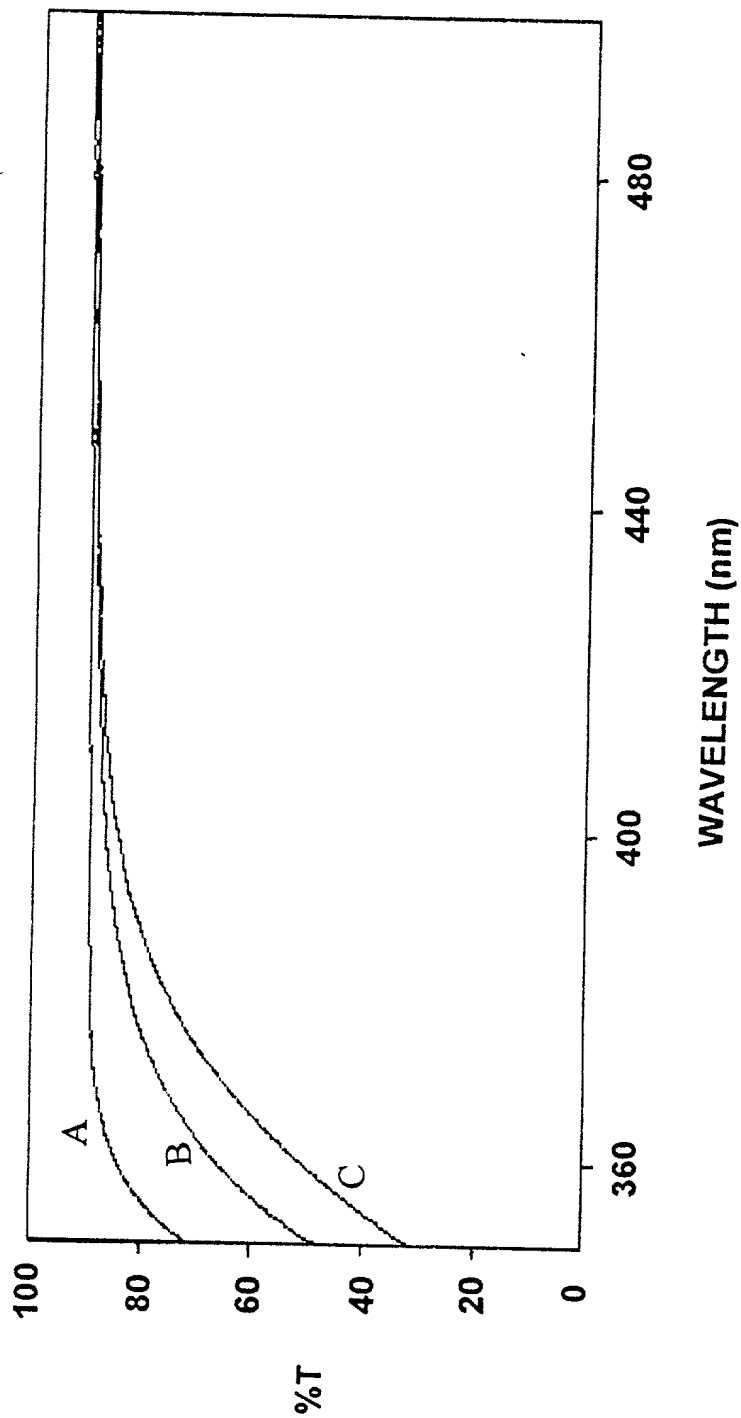


Fig. 9

090413 082101  
"08280" 072450

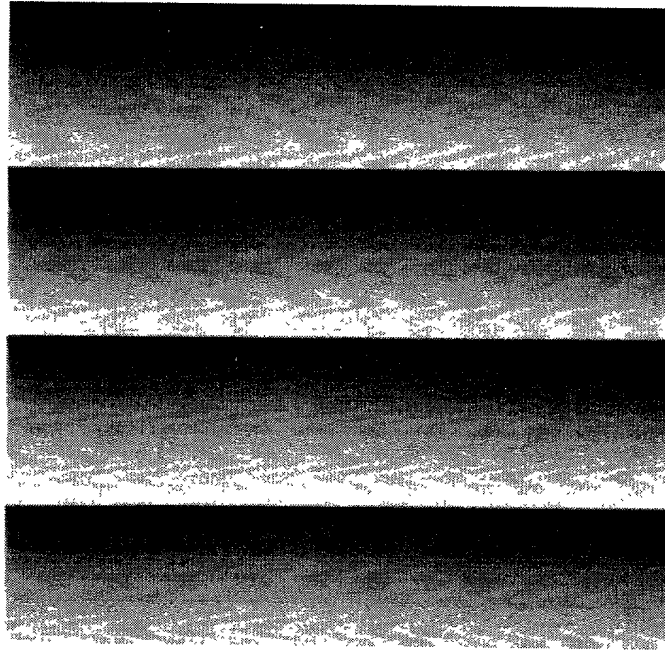


Fig. 10

TOP SECRET

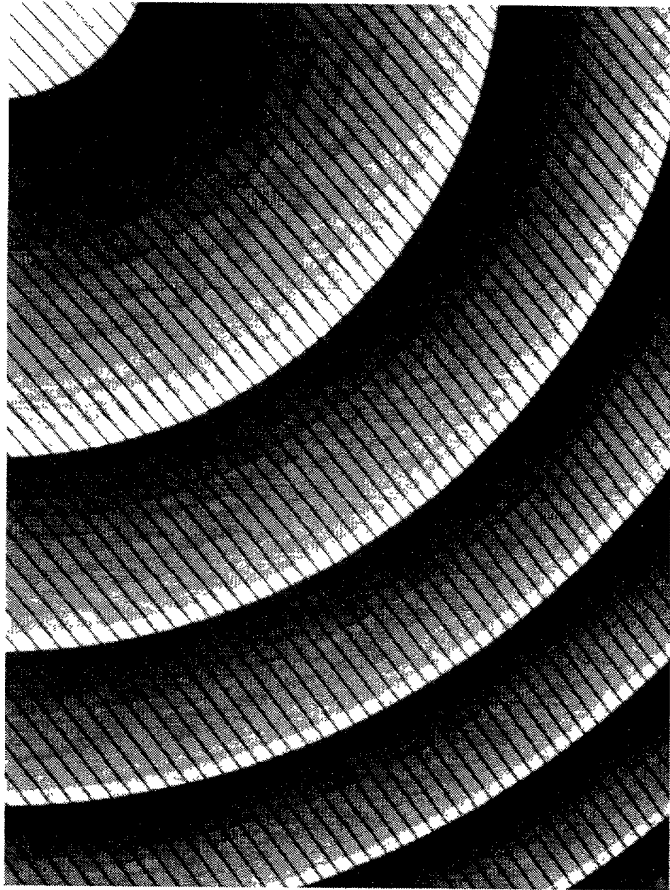


Fig. 11



092419-082101  
TOT230"BT24E660



a.) HEBS-Glass mask material exposed in e-beam writer



b.) Gray-Level mask generated in HEBS-Glass



c.) Photoresist exposure in optical lithography tool



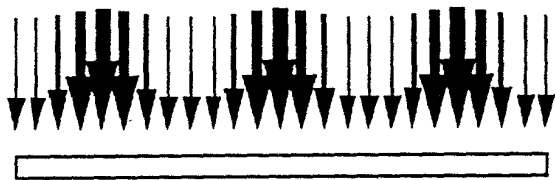
d.) Resist surface profile after development



e.) Surface profile in substrate material after CAIBE transfer step

Fig. 12

0934218-082101  
TOTAL 5724650



HEBS-Glass material exposed in e-beam writer



Gray-Level mask generated in HEBS-Glass



Photoresist exposure in mask-aligner



Resist surface profile after development



Lens profile after etching transfer step

Fig. 13

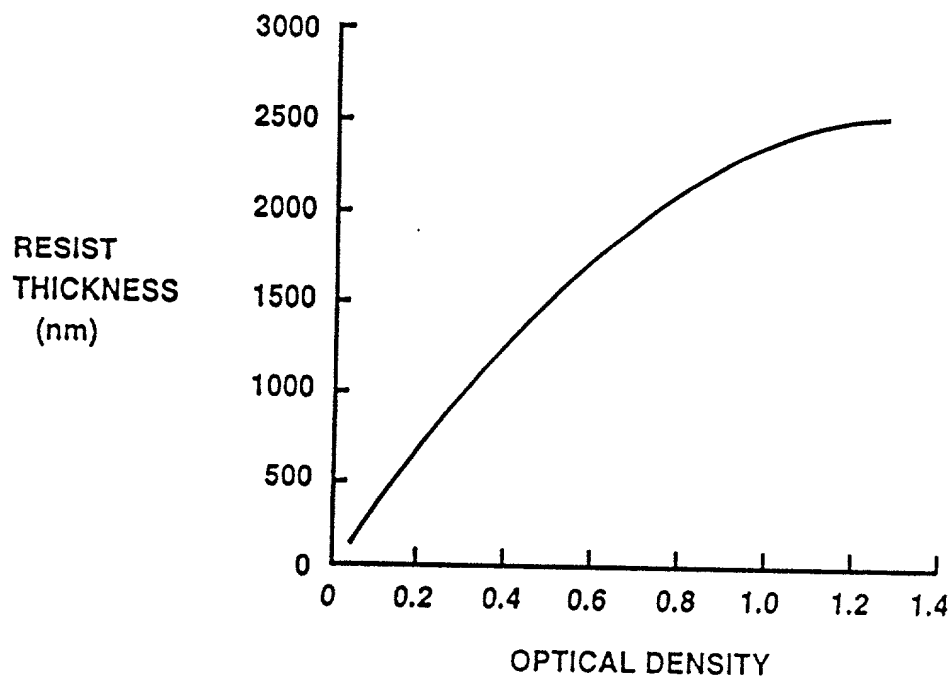


Fig. 14

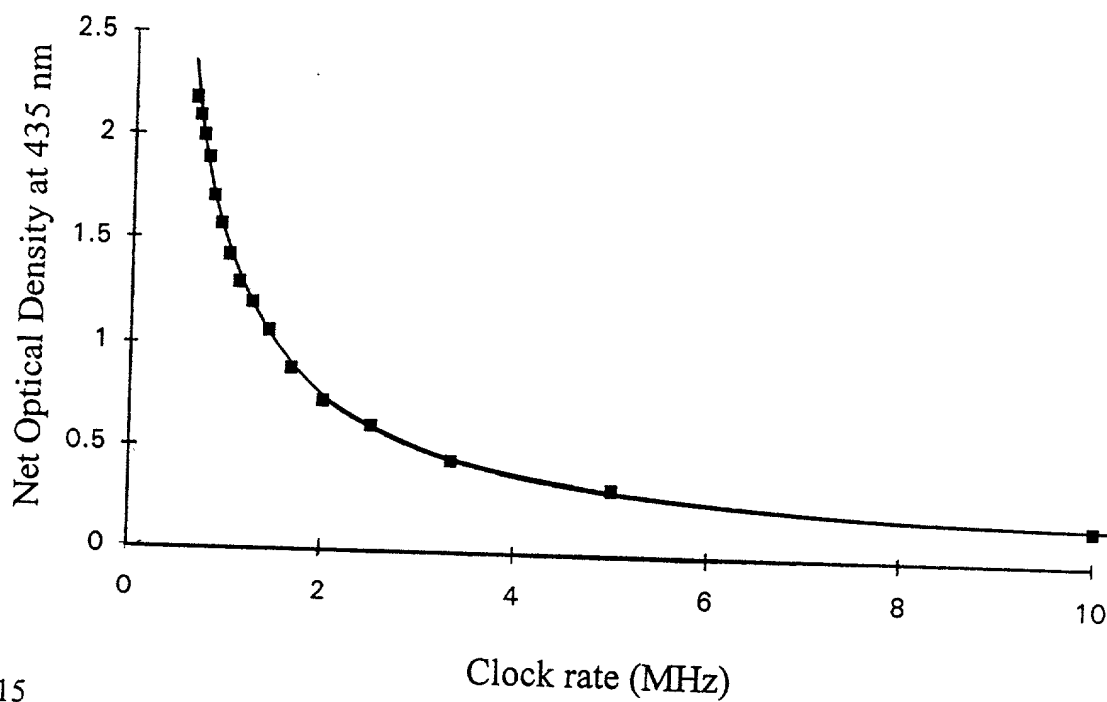


Fig. 15

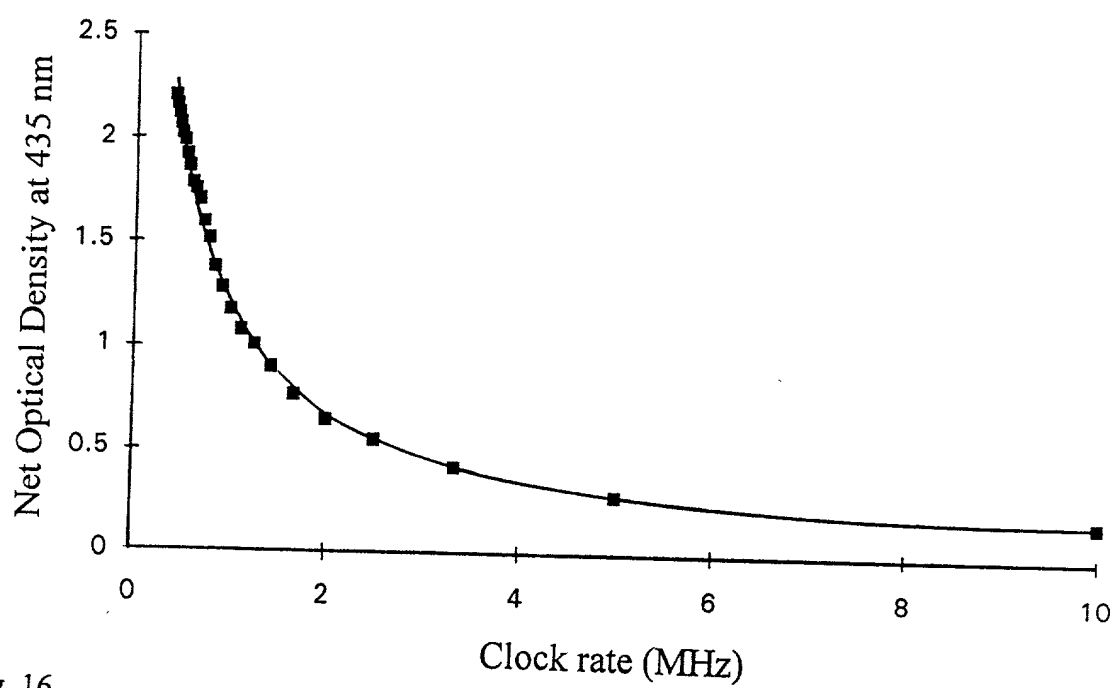


Fig. 16

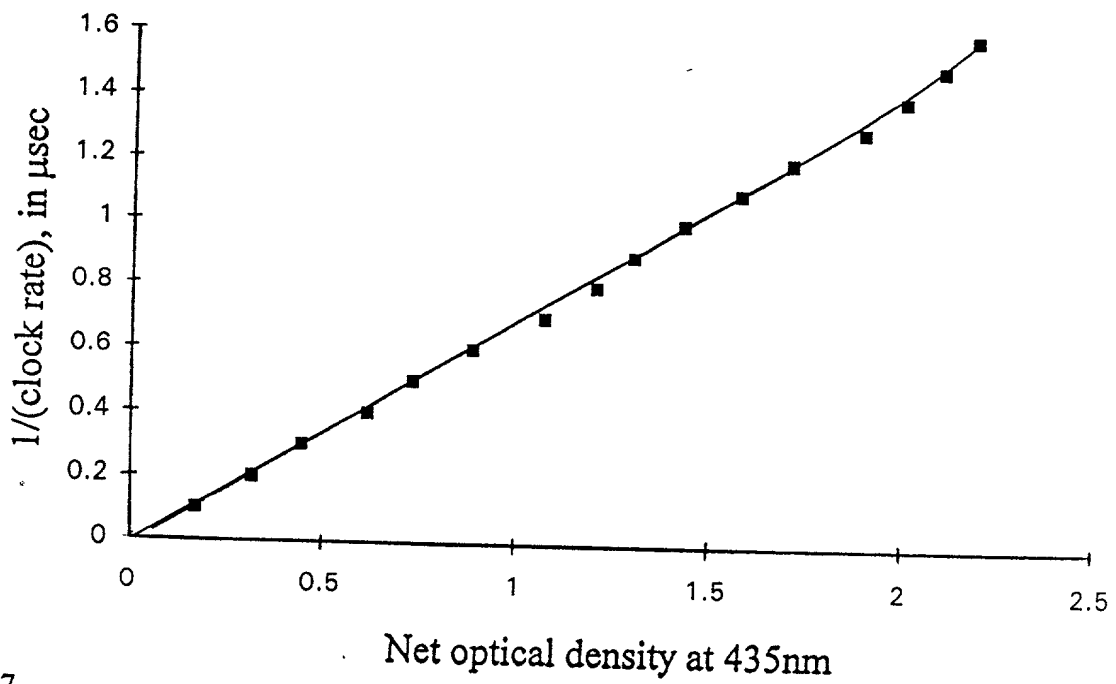


Fig. 17

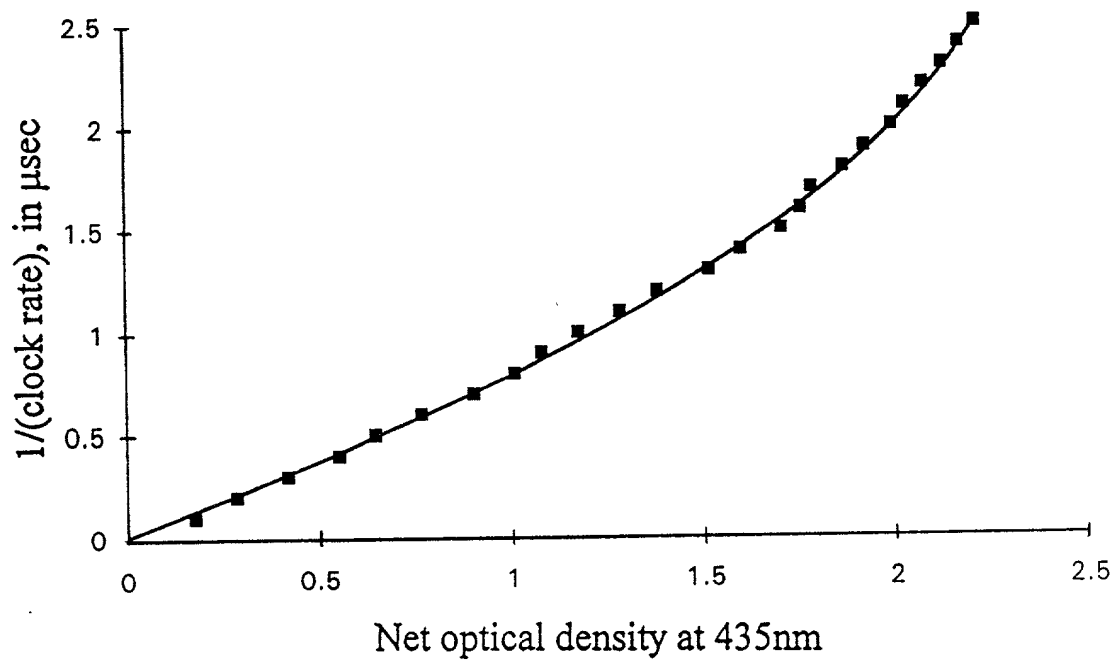


Fig. 18

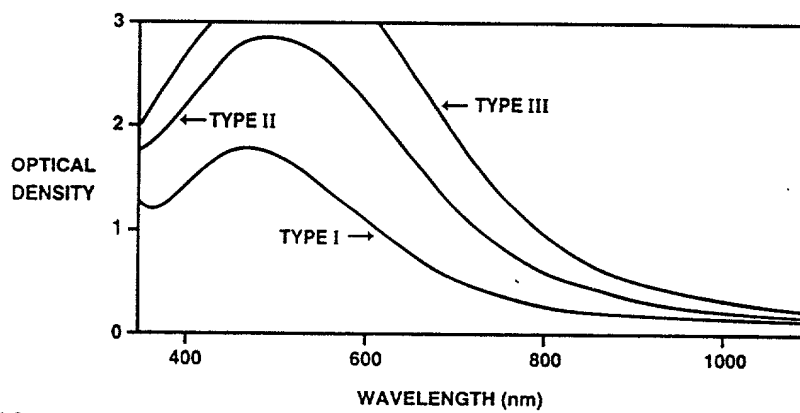


Fig.19

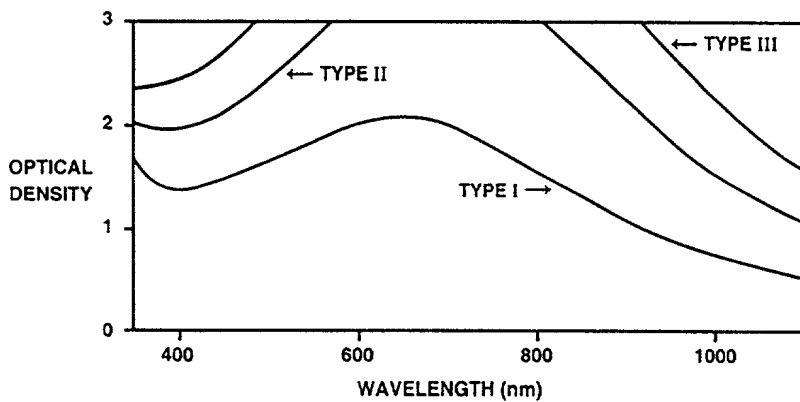


Fig.20



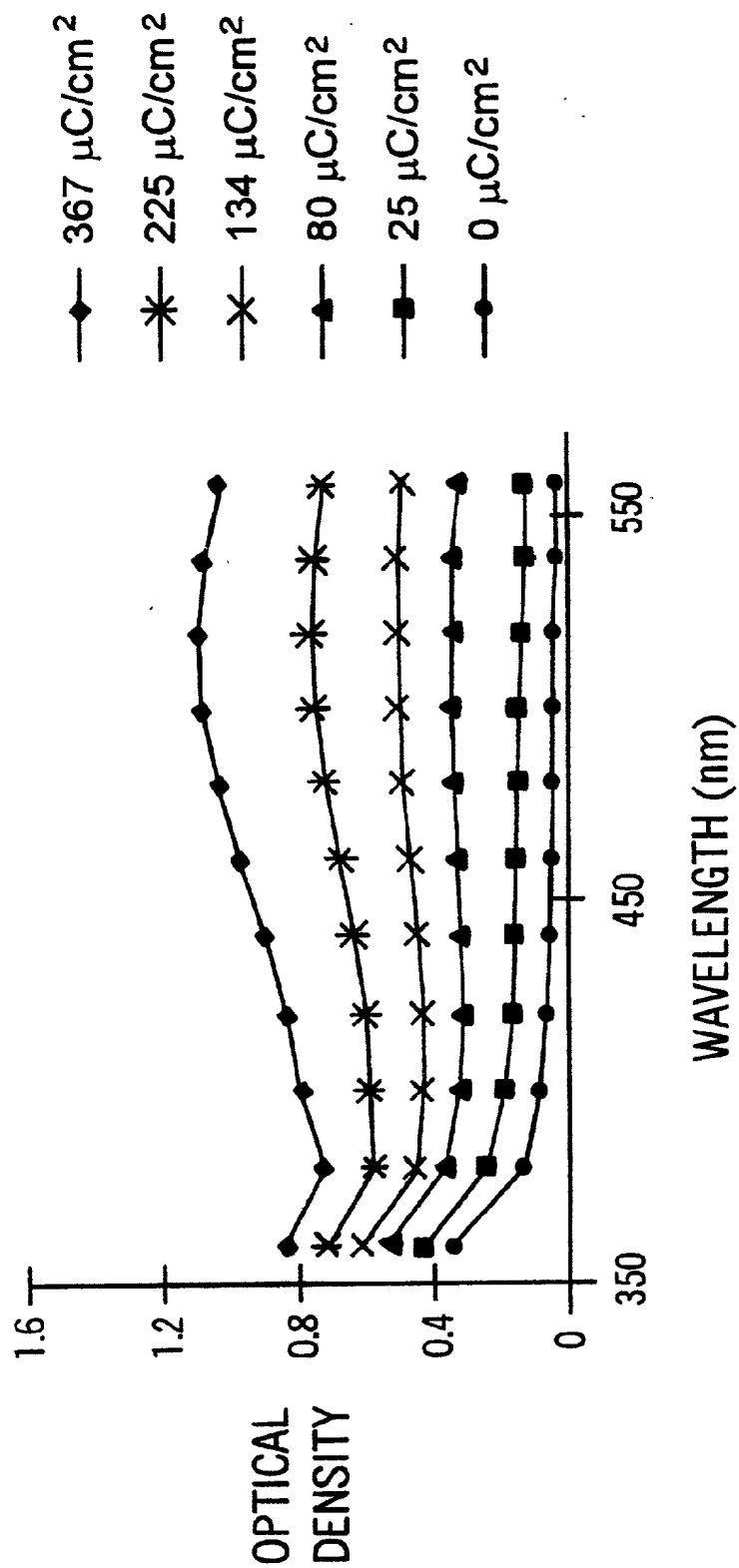


FIG. 21

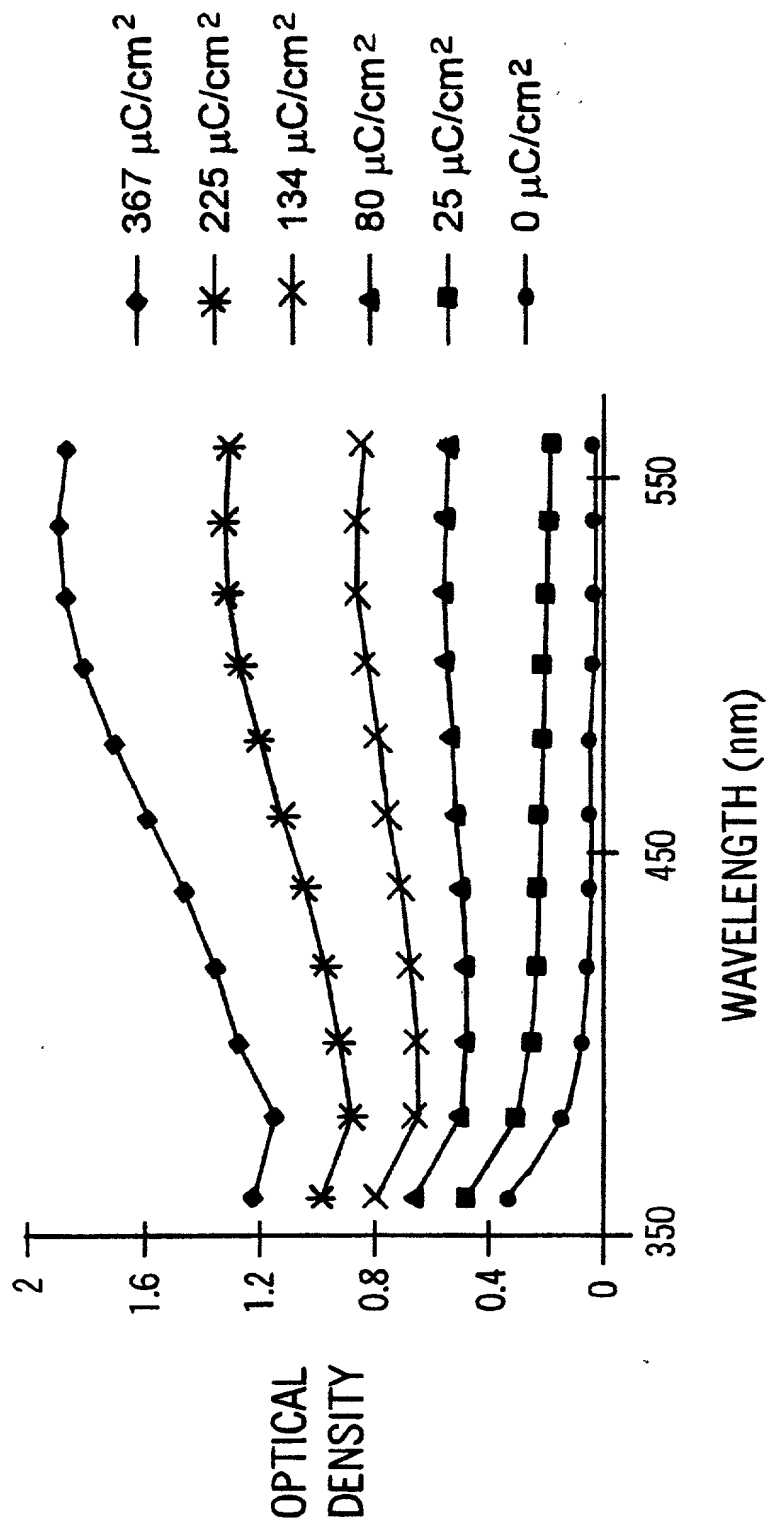


FIG. 22

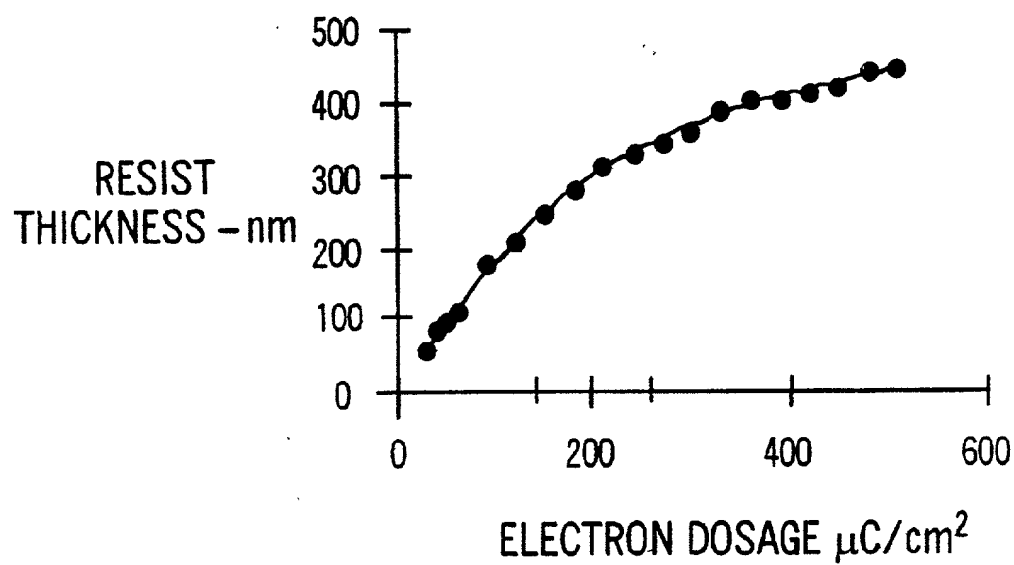


FIG. 23

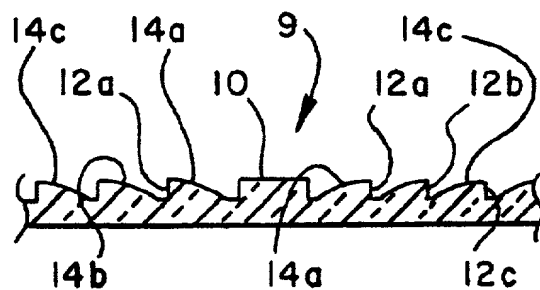


FIG. 24

002418 082101  
TOT280" BT24E660

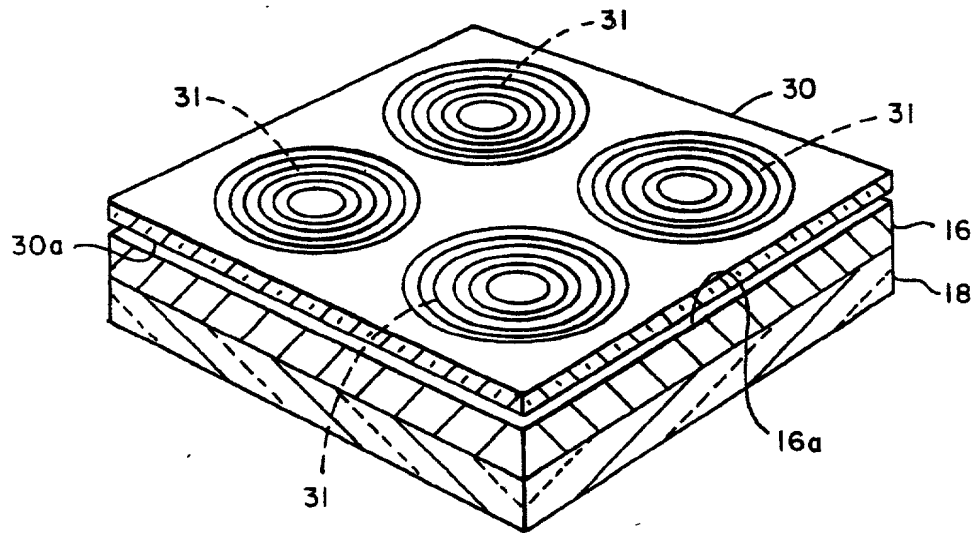


FIG. 25A

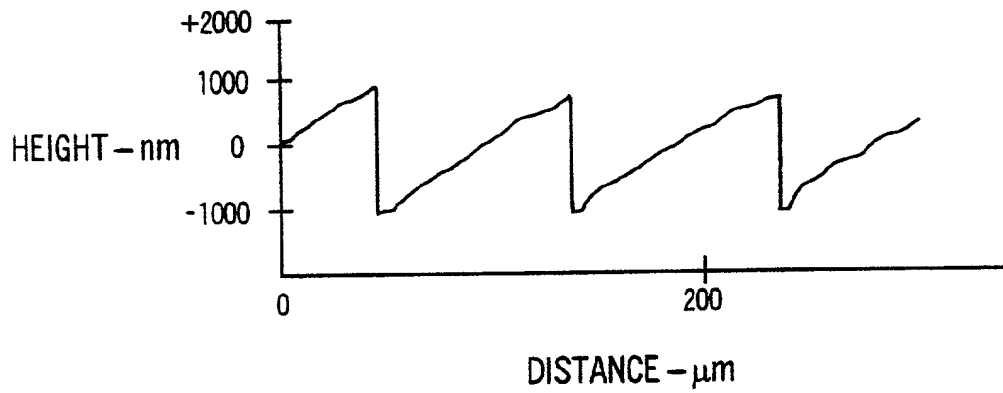


FIG. 25B

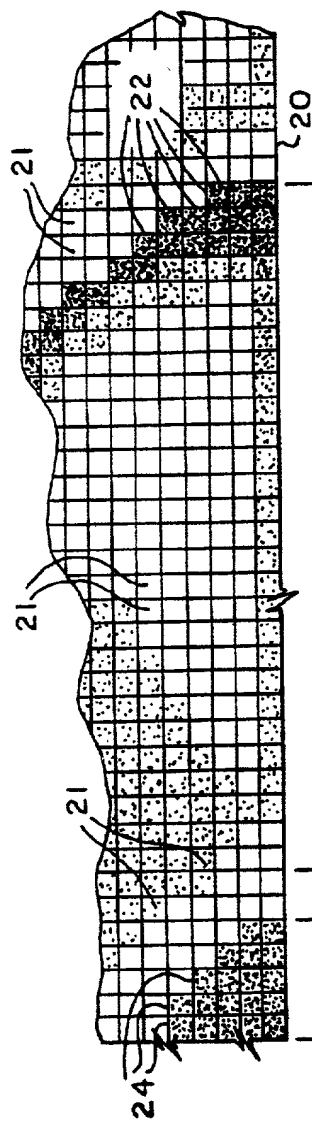


FIG. 26

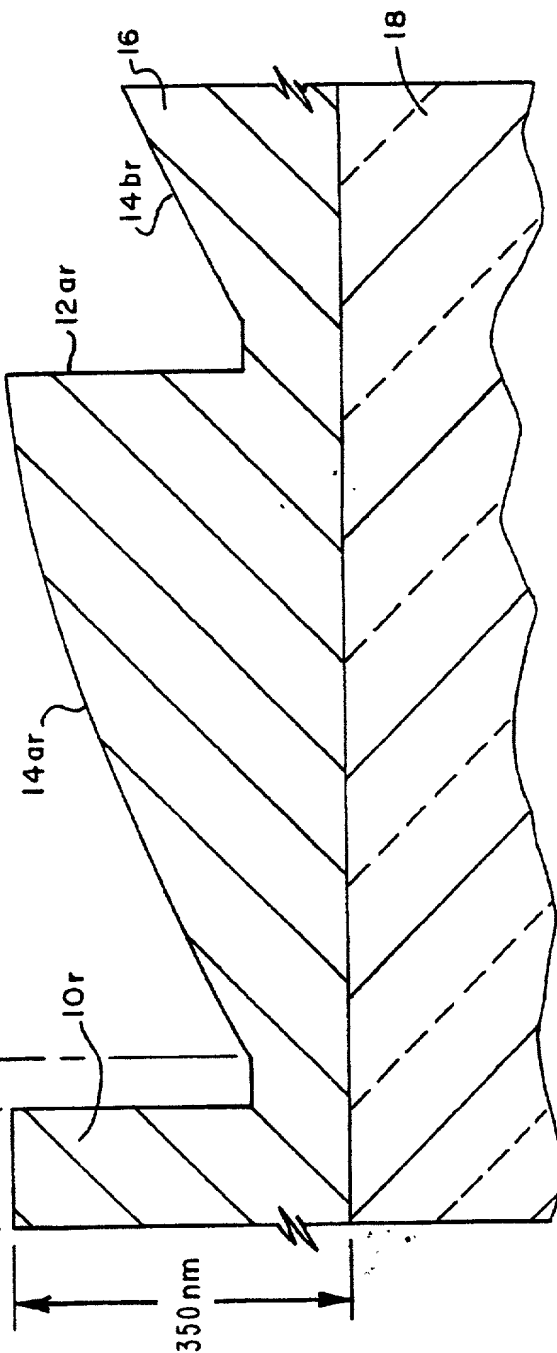


FIG. 27